

$$1 = \underbrace{\tau_h^h}_{\gamma'} = \underbrace{\kappa'}_{\kappa} = \underbrace{\kappa'}_{\gamma}$$

$$h\gamma = h\gamma' \underbrace{\kappa}_{\kappa} = h\kappa' \underbrace{\gamma}_{\gamma} = h\kappa \underbrace{\gamma}_{\gamma}$$

$$\kappa = \underbrace{\tau_h^h}_{\gamma'} = \underbrace{\kappa'}_{\kappa} = \underbrace{\kappa}_{\gamma}$$

$$\gamma = \underbrace{\tau_h^h}_{\gamma'} = \underbrace{\gamma'}_{\kappa} = \underbrace{\kappa}_{\gamma}$$

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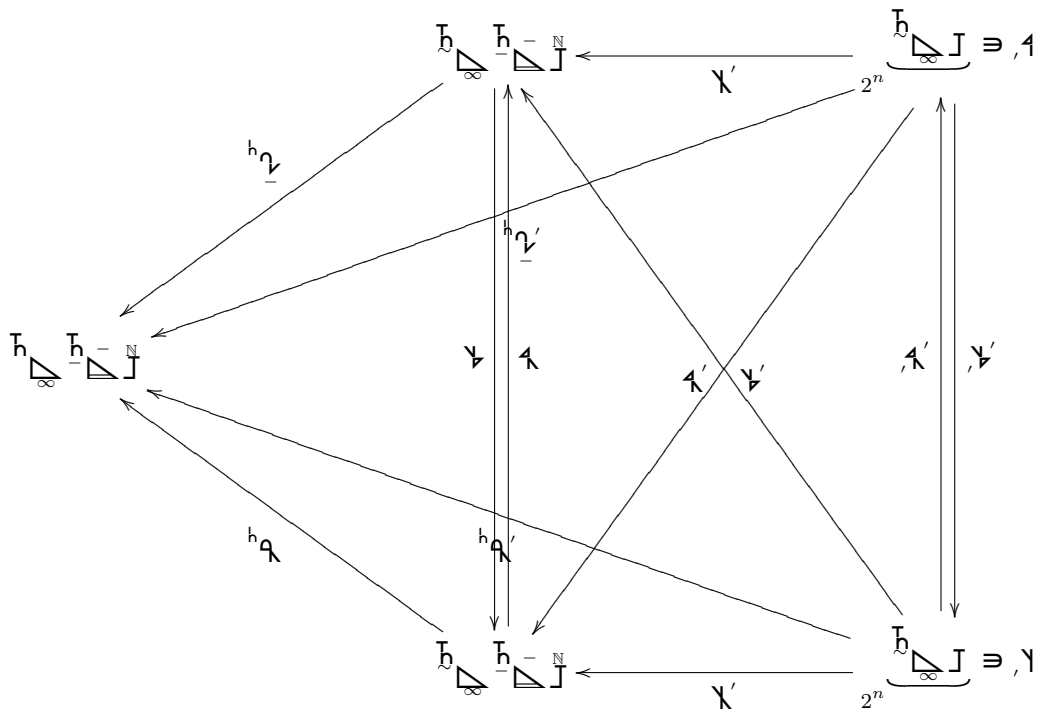
$$\gamma = \underbrace{\tau_h^h}_{\gamma'} = \underbrace{\kappa'}_{\kappa} = \underbrace{\gamma'}_{\gamma}$$

$$h\kappa = h\kappa' \underbrace{\kappa}_{\kappa} = h\gamma' \underbrace{\kappa}_{\kappa} = h\gamma \underbrace{\kappa}_{\kappa}$$

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$$,1 = \underbrace{\vec{h}_h^{\vec{h}'_1,1}}_{\vec{h}_h^{\vec{h}'_1,1}} = \chi(\chi',1) = \chi(\vec{h}'_1,1) = \chi',\vec{h}'_1,1$$

$$^{\vec{h}'_1,1} = \vec{h}'_1(\chi',1) = \vec{h}'_1(\vec{h}'_1,1) = \vec{h}'_1,\vec{h}'_1,1$$

$$\chi',1 = \underbrace{\vec{h}_h^{\vec{h}'_1,1}}_{\vec{h}_h^{\vec{h}'_1,1}} = \chi(\vec{h}'_1,1) = \chi',\vec{h}'_1,1$$

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$$\vec{h}_h^{\vec{h}'_1,1} = \vec{h}'_1(\chi',1) \text{ basis}$$

$${}^h \mathbf{q}^j = {}^h \underline{\nu} \mathbf{4}^j = {}^h \underline{\nu} \mathbf{4} \mathbf{x}^j = {}^h \mathbf{q} \mathbf{x}^j \text{ basis}$$

$${}^h \mathbf{q}^i \underset{h}{\times} {}^h \mathbf{q}^j = {}_i \eta^j$$

$$\mathbf{4} = \mathbf{x} \underbrace{\mathbf{x}' \mathbf{4}} = \mathbf{y} \underbrace{\mathbf{4}' \mathbf{4}} = \mathbf{4}' \underbrace{\mathbf{y}' \mathbf{4}}$$

$$\mathbf{x}' = \underbrace{\mathbf{x}^1 \dots \mathbf{x}^n}$$

$$\underline{\mathbf{h}} \ni \mathbf{x}^j \text{ dual basis}$$

$${}_i \mathbf{x} \mathbf{x}^j = {}_i \delta^j$$

$$\mathbf{x}^{*i} \mathbf{x}^j = {}_i \delta^j = {}_i \mathbf{x} \mathbf{x}^j$$

$$\mathbf{x}^{*i} = {}_i \mathbf{x}$$

$$\mathbf{x}^i \underset{h}{\times} \mathbf{x}^j = \mathbf{x}^{*i} \eta \mathbf{x}^j = {}_i \mathbf{x} \eta \mathbf{x}^j = {}_i \eta^j$$

$$\mathbf{x}^i \underset{h}{\times} \mathbf{x}^j = \mathbf{x}^{*i} \mathbf{4} \mathbf{x}^j = {}_i \mathbf{x} \mathbf{4} \mathbf{x}^j = {}_i \mathbf{4}^j$$

$$\mathbf{4}' = \underbrace{\mathbf{4}^1 \dots \mathbf{4}^n}$$

$$\underline{\mathbf{h}} \ni \mathbf{4}^j = \mathbf{4} \mathbf{x}^j \text{ basis}$$

$$\mathbf{4}^i \underset{h}{\times} \mathbf{4}^j = \left(\mathbf{4} \mathbf{x}^i \right)^* \left(\mathbf{y}' \eta \mathbf{y}' \right) \mathbf{4} \mathbf{x}^j = \mathbf{x}^{*i} \eta \mathbf{x}^j = {}_i \eta^j$$

$$\underline{\mathbf{h}} \xrightarrow{\mathbf{4}'} \underset{\mathbf{y}'}{2^n} \underbrace{\mathbf{h} \begin{matrix} \mathbf{I} \\ \infty \end{matrix}}^n$$

$$\mathbf{4}' = \mathbf{y}' \underset{h}{\eta} \mathbf{y}'$$

